

CLAIMS:

1. A rewind arm assembly primarily for a slitter rewinder machine of the kind having a base supporting two or more rewind arms in spaced relationship whereby a rewind core may be rotationally supported between two adjacent rewind arms, each arm having a core driving shaft for coupling with a core engaging and locking chuck, the shaft being carried by spaced bearing assemblies located in a housing at the top of each rewind arm, the rewind arms being supported on the machine base in a manner permitting traversing and adjustment of the spacing to accommodate differing rewind core widths, the machine further including a pressure contact roller which may be positioned in parallel, surface to surface, contact with a core and mounted on arms which pivot so as to accommodate the increasing core diameter as the core is wound during use, wherein one side of the top housing of the rewind arm has the core shaft and support bearings adapted to a first size of core internal diameter and the other side of the top of the rewind arm has the core shaft and support bearings adapted to a second size of core internal diameter.
2. A rewind arm assembly in accordance with claim 1, wherein the housing includes two sets of shaft supports and bearings which to one side has a lesser dimension than the other at least in zone of contact by a contact roller.
3. A rewind arm assembly in accordance with claim 2, wherein the housing at the side having the lesser dimension shaft supports and bearings has a stepped part of reduced external profile in the zone of contact by a contact

roller.

4. A rewind arm assembly in accordance with claim 3, wherein the contact roller may extend across the stepped part of the housing of the rewind arm without interference with or fouling of the arm when adjacent arms are spaced less than the contact roller length to accommodate a core shorter than the contact roller.
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5. A rewind arm assembly in accordance with claim 3 or 4, wherein each bearing assembly has a maximum circumferential dimension less than the diameter of a relevant core, the stepped part being formed on the part of the housing embracing at least the bearing assembly for the lesser dimension shaft, the stepped part comprising a planar face of the housing extending parallel to the core axis and tangential to the point of contact between the contact roller and core.
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6. A rewind arm assembly in accordance with any preceding claim, wherein the one side of the top housing of the rewind arm is coextensive with the side of the arm and includes a core shaft and support bearings adapted to a first size of core internal diameter and the other side of the housing has the core shaft and support bearings adapted to a second size of core internal diameter, the core shafts being connected through a central pulley located within the housing and coupled through a drive belt with a motor housed in the base of the arm for the purpose of rotating the core shafts.
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7. A rewind arm assembly in accordance with claim 6, wherein the drive belt and pulley are toothed.
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8. A rewind arm assembly in accordance with claim 3, 4 or 5 as further limited by claim 6 or 7, wherein the stepped part extends across the zone of the pulley.
9. A slitter rewinder machine wherein a wide film is slit into lesser widths and wound onto cores for further use, said machine incorporating at least two rewind arms, in accordance with any preceding claim, for holding a winding core.
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10. A rewind arm assembly or a slitter rewinder machine incorporating such an assembly constructed as herein described and exemplified and as shown in the drawings.
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